

MAR 28 2005

Sheet 1 of 3

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE
(REV. 7-80) PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Atty. Docket No. (Optional)

18493

Application Number

10/518,859

Applicant(s)

Kazuhiko Inoue, et al.

Filing Date

December 17, 2004

Group Art Unit

1711

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)
GL	3,872,057	3/18/75	Pazos			
GL	5,043,396	8/27/91	Kitahara et al.			
GL	5,491,210	2/13/96	Onwumere et al.			
GL	5,489,451	2/6/96	Omeis et al.			

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	GL	06-192375	7/12/94	Japan				
	GL	11-035675	2/2/99	Japan				
	GL	07-247364	9/26/95	Japan				
	GL	10-508655	8/25/98	Japan				
	GL	11-106578	4/20/99	Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	GL	L.P. Engle, et al., "A Review of Thermally Controlled Covalent Bond Formation in Polymer Chemistry", J. Macromol. Sci. Re. Macromol. Chem. Phys., vol. 33, no. C3, pp 239-257, 1993
	GL	Nakane et al., "Vinyl Ether Blocked Carboxylic Acid and Its Application", Shikizai, (Coloring Matetrial), vol. 67, No. 12, pp. 766-774, 1994
	GL	Nakane et al., "Carboxylic Acid Blocked by Vinyl Ether and Its Application (II) Effect of catalyst on curing reaction of the cross linking system with epoxide", Shikizai (Coloring Material), vol. 69, No. 11, pp. 735-742, 1996
		Yano Shinichi, Ionomer no bussei to Kougyouteki Ouyou (Physical Property and Industrial Application of Ionomer)

EXAMINER

/Gregory Listvoyb/

DATE CONSIDERED

02/09/2007

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Sheet 2 of 3

Form PTO-1449 (REV. 7-80) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Atty. Docket No. (Optional)		Application Number				
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							YES	NO
h		2000-34376	2/2/00	Japan				
h		2000-281805	10/10/00	Japan				
h		60-179479	9/13/85	Japan				
h		WO 96/15159	5/23/96	PCT				
h		2000-001529	1/7/00	Japan				
h		2001-081240	3/27/01	Japan				
h		61-205447	9/11/86	Japan				
h		0 134 649A2	3/20/85	EPO				
h		WO 95/20629A1	8/3/95	PCT				
h		0 870 793 A2	10/14/98	EPO				
h		WO 98/15347A1	4/16/98	PCT				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
h		M. R. Tant et al., Ionomers , Synthesis Structure Properties and Applications, (ISBN: 0-7514-0392-X)						
h		Chan-Ming Dong et al., "Synthesis of star-shaped poly (D,L-lactic acid-alt-glycolic acid) with multifunctional initiator and SnOct ₂ catalyst", Polymer, vol. 42, pp. 6891-6896, 2001						
h		Ruckenstein, et al., "Crosslinking of Chlorine-Containing Polymers by Dicyclopentadiene Dicarboxylic Salts", Journal of Polymer Science: Part A: Polymer Chemistry, vol. 38, pp. 818-825 (2000)						
		Chujo et al., "Reversible Gelation of Polyoxazoline by Means of Diels-Alder Reaction", American Chemical Society (Macromolecules, Vol. 23, 2636-2641 (1990))						
EXAMINER		Gregory Listvay		DATE CONSIDERED 02/09/2007				
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GL	WO 98/55147A1	12/10/98	Japan				
GL	2003-183348	7/3/03	Japan				
GL	WO 97/03130	1/20/97	Japan				
GL	2001-040078	2/13/01	Japan				
GL	2000-063511	2/29/00	Japan				
GL	09-031176	2/4/97	Japan				

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

GL	Canary, et al., "Thermally Reversible Crosslinking of Polystyrene via the Furan-Maleimide Diels-Alder Reaction", Journal of Polymer Science: Part A: Polymer Chemistry, Vol. 30, pp. 1755-1760 (1992)
GL	Masahiro, et al., Keihjo Kioku Polymer no Zairyo Kaihatsu), Development of Shape-memory Polymers, (ISBN 4-88231-064-3)

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